

## **System and Method for RF Gain Control**

### **Abstract of the Disclosure**

5        The present invention provides a system and method for RF gain control that extracts the background noise information of the received RF signal in the short inter-frame space (SIFS), and computes the background noise information and strength information of the received RF signal to output a feedback control signal to adjust the gain of the RF  
10      signal receiver. It optimizes the receiving system and makes the received RF signal be of sufficient strength and have a good quality as well.